

# Brilliance Tuition Centre, Redbank Plains

## MATHS WORKSHEETS- ALGEBRA- SUBSTITUTION- FIND THE VALUE OF THE EXPRESSION IF $a = 2$

Find the value of each of the following expressions if  $a = 2$ .

|    |                        |  |
|----|------------------------|--|
| 1  | $4a =$                 |  |
| 2  | $8a - 5 =$             |  |
| 3  | $6a + 2 =$             |  |
| 4  | $12 \div 2a =$         |  |
| 5  | $7 \times 3a =$        |  |
| 6  | $10a - 2 =$            |  |
| 7  | $6a - 10 =$            |  |
| 8  | $a^2 =$                |  |
| 9  | $a^3 =$                |  |
| 10 | $(a + 1)(a - 1) =$     |  |
| 11 | $(4a + 3) \times 2a =$ |  |
| 12 | $4a^2 + 5 =$           |  |
| 13 | $2a^2 =$               |  |
| 14 | $6a \times 5a =$       |  |
| 15 | $a^2 - a =$            |  |
| 16 | $(5a - 1) \div 3 =$    |  |
| 17 | $(a + 12) \div a =$    |  |
| 18 | $(4a + 5) \times 3a =$ |  |
| 19 | $a^3 - 2a =$           |  |
| 20 | $(7a - 2) \div 2a =$   |  |

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**Answer Key:**

|    |     |
|----|-----|
| 1  | 8   |
| 2  | 11  |
| 3  | 14  |
| 4  | 3   |
| 5  | 42  |
| 6  | 18  |
| 7  | 2   |
| 8  | 4   |
| 9  | 8   |
| 10 | 3   |
| 11 | 44  |
| 12 | 21  |
| 13 | 8   |
| 14 | 120 |
| 15 | 2   |
| 16 | 3   |
| 17 | 7   |
| 18 | 78  |
| 19 | 4   |
| 20 | 3   |